

IN THE CLAIMS:

1. (currently amended) An organism-compatible material with combined extracellular matrices comprising (i) a base made of a material for organisms, (ii) a calcification layer formed on the base, and (iii) extracellular matrices formed on the calcification layer by cells of a region of an organism to which the organism-compatible material with combined extracellular matrices is to be applied, the extracellular matrices being combined with the base through the medium of the calcification layer.

2. (original) An organism-compatible material with combined extracellular matrices as claimed in claim 1 of which the base is of titanium, a titanium alloy, or a calcium-phosphate compound such as hydroxyapatite, or a piece of glass, a piece of a polymer or a ceramic overlaid with titanium, a titanium alloy, or a calcium-phosphate compound such as hydroxyapatite.

3. (previously presented) An organism-compatible material with combined extracellular matrices as claimed in claim 1, wherein said cells are osteoblasts, chondroblasts, tendon cells, vascular

endothelial cells, epithelial cells, connective tissue cells, or glia cells.

4. (previously presented) An organism-compatible material with combined extracellular matrices as claimed in claim 1, which includes said cells.

5-13. (Cancelled)

14. (previously presented) An organism-compatible material with combined extracellular matrices as claimed in claim 2, wherein said cells are osteoblasts, chondroblasts, tendon cells, vascular endothelial cells, epithelial cells, connective tissue cells, or glia cells.

15. (previously presented) An organism-compatible material with combined extracellular matrices as claimed in claim 2, which includes said cells.

16. (previously presented) An organism-compatible material

with combined extracellular matrices as claimed in claim 3, which includes said cells.

17. (previously presented) An organism-compatible material with combined extracellular matrices as claimed in claim 14, which includes said cells.

18-21. (Cancelled)

22. (new) An organism-compatible material with combined extracellular matrices as claimed in claim 1, wherein the base is a material which allows the formation of a calcification layer thereon, the formation taking place because the base absorbs phosphoric acid.

23. (new) An organism-compatible material with combined extracellular matrices as claimed in claim 1, wherein the calcification layer combines directly with the base.